CLAIMS

1. A hot water supply heat exchanger comprising a water pipe **(1)** forming a water passage **(W)** and a refrigerant pipe **(2)** forming a refrigerant passage **(R)**, the hot water supply heat exchanger being for heating water flowing through the water passage **(W)** by a refrigerant flowing through the refrigerant passage **(R)**,

wherein an inlet part **(A)** of the water passage **(W)** having water of a predetermined temperature or less is provided with a heat transfer enhancer.

2. A hot water supply heat exchanger comprising a water pipe **(1)** forming a water passage **(W)** and a refrigerant pipe **(2)** forming a refrigerant passage **(R)**, the hot water supply heat exchanger being for heating water flowing through the water passage **(W)** by a refrigerant flowing through the refrigerant passage **(R)**,

wherein a part of the water pipe **(1)** forming an inlet part **(A)** of the water passage **(W)** having water of a predetermined temperature or less is provided with a heat transfer enhancement pipe section.

3. A hot water supply heat exchanger comprising a plurality of heat exchanger units **(H, H, ...)** each including a water pipe **(1)** forming a part of a water passage **(W)** and a refrigerant pipe **(2)** forming a part of a refrigerant passage **(R)**, said plurality of heat exchanger units **(H, H, ...)** being stacked one above another, the water pipes **(1)** being connected to one another to form a continuous water passage **(W)**, the refrigerant pipes **(2)** being connected to one another to form a continuous refrigerant passage **(R)**, said hot water supply heat exchanger being for heating water flowing through the water passage **(W)** by a refrigerant flowing through the refrigerant passage **(R)**,

wherein an inlet part **(A)** of the water passage **(W)** including water of a predetermined temperature or less is provided with a heat transfer enhancer.

4. A hot water supply heat exchanger comprising a plurality of heat exchanger units **(H, H, ...)** each including a water pipe **(1)** forming a part of a water passage **(W)** and a

refrigerant pipe **(2)** forming a refrigerant passage **(R)**, said plurality of heat exchanger units **(H, H, ...)** being stacked one above another, the water pipes **(1)** being connected to one another to form a continuous water passage **(W)**, the refrigerant pipes **(2)** being connected to one another to form a continuous refrigerant passage **(R)**, said hot water supply heat exchanger being for heating water flowing through the water passage **(W)** by a refrigerant flowing through the refrigerant passage **(R)**,

wherein a heat transfer enhancement pipe is used as the water pipe **(1)** corresponding to an inlet part **(A)** of the water passage **(W)**.

5. The hot water supply heat exchanger of Claim 1 or 3, wherein

spiral grooves **(7, 7, ...)** formed in the inner surface of the water pipe **(1)** are adopted as the heat transfer enhancer.

6. The hot water supply heat exchanger of Claim 2 or 4, wherein

an internally-grooved pipe provided at its inner surface with spiral grooves **(7, 7, ...)** is adopted as the heat transfer enhancement pipe.

7. The hot water supply heat exchanger of any one of Claims 1 through 4, wherein

the refrigerant pipe **(2)** is connected to the periphery of the water pipe **(1)**.